

**AMENDMENTS TO THE CLAIMS**

1. (Canceled)

2. (Currently amended) An impeller for a blower having: a circular support plate having a rotational axis; and a plurality of blades provided on a peripheral edge portion of the support plate, extending in parallel to the rotational axis and having a predetermined blade angle, the impeller comprising:

a plurality of notches provided on an outer edge of a pair of side edges of each of the blades, and arranged at predetermined intervals along a longitudinal direction of the respective blades; and

a plurality of smooth portions, each being provided between a pair of the notches, wherein

the notches have a triangular shape and an arcuate portion is formed in a bottom portion of each of the notches,

wherein in a case where a pitch of the notches is denoted as  $S$ , and a length of each of smooth portions is denoted as  $M$ , a rate  $M/S$  of the length  $M$  of the smooth portions to the pitch  $S$  of the notches is set to  $0.3 < M/S < 0.8$ .

3. - 4 (Canceled)

5. (Currently amended) An impeller for a blower having: a circular support plate having a rotational axis; and a plurality of blades provided on a peripheral edge portion of the support plate, extending in parallel to the rotational axis and having a predetermined blade angle, the impeller comprising:

a plurality of notches provided on an outer edge of a pair of side edges of a predetermined blade selected from among the plurality of blades, arranged at predetermined intervals along a longitudinal direction of the predetermined blade; and

a plurality of smooth portions, each being provided between a pair of the notches, wherein

the notches have a triangular shape, and an arcuate portion is formed in a bottom portion of each of the notches,

wherein in a case where a pitch of the notches is denoted as S, and a length of each of smooth portions is denoted as M, a rate  $M/S$  of the length M of the smooth portions to the pitch S of the notches is set to  $0.3 < M/S < 0.8$ .

6. – 7. (Canceled)

8. (Previously presented) An impeller for a blower according to claim 5, wherein the plurality of blades include a blade in which the notches are provided, and a blade in which the notches are not provided, and

wherein the blade in which the notches are provided and the blade in which the notch are not provided are alternately arranged.

9. (Currently amended) An impeller for a blower comprising a plurality of impellers continuously provided on the same rotational axis, wherein

in the plurality of impellers, the impellers positioned at both ends of the blower are formed by the impeller for the blower according to claim 5, and the other impellers are formed by the impeller ~~for the blower according to claim 2~~ having: a circular support plate having a rotational axis; and a plurality of blades provided on a peripheral edge portion of the support plate, extending in parallel to the rotational axis and having a predetermined blade angle, the impeller comprising:

a plurality of notches provided on an outer edge of a pair of side edges of each of the blades, and arranged at predetermined intervals along a longitudinal direction of the respective blades; and

a plurality of smooth portions, each being provided between a pair of the notches,

wherein the notches have a triangular shape, and an arcuate portion is formed in a bottom portion of each of the notches,

wherein in a case where a pitch of the notches is denoted as S, and a length of each of smooth portions is denoted as M, a rate  $M/S$  of the length M of the smooth portions to the pitch S of the notches is set to  $0.3 < M/S < 0.8$

10 - 14. (Canceled)

15. (Currently amended) The impeller for a blower according to ~~claim 1,~~ claim 2, wherein in a case where a chord length of each of the blades is denoted as L, and a depth of each of the notches is denoted as H, a rate  $H/L$  of the depth H of the notches to the chord length L of the blades is set to  $0.1 < H/L < 0.25$ .

16. (Currently amended) The impeller for a blower according to ~~claim 1,~~ claim 2, wherein the shapes of the plurality of notches are identical, and the length of the respective smooth portions are set at random.

17. (Canceled)

18. (Previously presented) The impeller for a blower according to claim 2, wherein the respective notches in the adjacent blades are set such as not to be positioned on a concentric circle having a center coinciding with the rotational axis.

19. (Previously presented) An impeller for a blower according to claim 2, further comprising a rotation shaft arranged on the rotational axis.

20. (Previously presented) An air conditioner comprising the impeller for the blower according to claim 2.

21. (Previously presented) An air conditioner comprising: the impeller for the blower according to claim 2; and a casing that surrounds the impeller and has a tongue portion preventing a back flow of air flow blowing out of the impeller,

wherein a plurality of notches having an identical shape are formed coaxially on an outer edge of each of the blades, and

wherein a plurality of projections are provided on the tongue portion, and the respective projections correspond to the respective notches provided on the outer edge .

22. (Previously presented) An air conditioner comprising: the impeller for the blower according to claim 2; and a casing that surrounds the impeller and has a guide portion for guiding an air flow blowing out of the impeller,

wherein a plurality of notches having an identical shape are formed coaxially on an outer edge of each of the blades, and

wherein a plurality of projections are provided on the guide portion, and the respective projections correspond to the respective notches provided on the outer edge .